

Subject: Minutes (approved) of "IEEE P802.3cc 25Gb/s Ethernet over Single-Mode Fiber Task Force" meeting
Date: 2016/5/24
Location: Empress Room, Fairmont Chateaux, Whistler, Canada
Prepared by: K. R. Tamura

Meeting started at 09:01

David Law welcomed the group.

David Law confirmed David Lewis as Task Force chair.

David Lewis confirmed interest in being chair and left the room.

Motion #1:

Description: Confirm David Lewis as the IEEE 802.3cc 25Gb/s Ethernet over Single Mode Fiber Task Force Chair
Moved by: Peter Jones
Second by: David Malicoat
Vote: Yes:9 No:0 A:0
Result: Passes

David Lewis was invited back into room.

Kohichi Tamura was appointed recording secretary.

Introductions were made.

Motion #2:

Description: To approve agenda
Moved by: Tom McDermott
Second by: Peter Jones
Result: Approved without objections.

Motion #3:

Description: To approve minutes
Moved by: Peter Jones
Second by: David Malicoat
Result: Approved without objections.

Peter Jones was appointed as AdHoc Chair of Task Force.

David Lewis went over the ground rules of the meeting.

David Lewis reviewed the IEEE patent policy.

David Lewis issued a call for essential patents. None were voiced.

David Lewis explained the Task Force phase. Task Force must draft Draft 1.0. Draft 2.0 is created in Working Group Ballot.

David Lewis reviewed the list of objectives that were adopted.

David Lewis listed the goals of today's meeting.

David Lewis showed his proposed time line. The goal is D1.0 at July Plenary, so new proposals must be submitted by that time. Next, D2.0 in Nov '16. D3.0 in Mar '17. Similar schedule to 802.3by and 802.3bg.

David Lewis described ad hoc charter. Time planned is Wednesdays PST 14:00-15:30.

Peter Jones emphasized need to submit presentations early for ad hocs.

Presentation #1:

Title: 802.3cc - 25 Gb/s Ethernet over Single-Mode Fiber Task Force Ad Hoc Report May 2016

Presenter: Peter Jones

Ad hoc minutes were approved by voice without objection.

Presentation #2: (Start: 09:37)

Title: Baseline Proposal - Electrical, RS, PCS, PMA, FEC

Presenter: Tom McDermott

Questions were asked and answered. Point was made that requiring FEC is helpful for OTN, as it does not require OTN to identify type of payload. Currently, no mechanism for identifying FEC of payload.

Presentation #3: (Start 09:55)

Title: TDP and TDEC for 25GbE SMF

Presenter: Kohichi Tamura

Question: Will there be modal noise in SMF?

Answer: Expected to be small since SMSR > 30dB required of lasers and BER is 5×10^{-5} .

Comment: BER testing is easier out in the field at longer reaches.

Question: What power is assumed at the receiver in TDEC? Will power be too low for sampling oscilloscope after fiber losses at 10km and/or 40km?

Answer: Need to get input from test equipment vendors.

10:20 Coffee break

10:45 Meeting resumes

Presentation #4: (Start 10:47)

Title: 25GbE SMF 10km/40km Baseline Proposal

Presenter: Kohichi Tamura

Question: Will 25GbE-10km spec allow same module to be used for 32GFC?

Answer: Not precluded.

Comment: Would like to see use of APD for 25GbE-30/40km added to Rx characteristics table as a foot note.

Answer: Baseline proposal will be left as written, but can add footnote when document is revised in future discussion.

Question: Does the Tx OMA max of +6dBm for the 25GbE-40km spec create concern about fiber nonlinearity?

Answer: Should be confirmed. ITU-T G959.1 is 5.1dBm/lane.

Discussion took place on damage threshold and overload powers of APDs. From prior experience at 10G, 4-5dBm for the damage threshold and -3dBm for maximum power before overload were given as examples of values that had been encountered in the experience of some participants.

Straw Poll #1: (11:37)

Title: Do you agree with the draft timeline proposed in agenda_3cc_01_0516 page 22?

Vote: Yes: 15 No: 0 Abstain: 0

Motion #4: (11:40)

Description: Move to adopt the baseline proposal for electrical, RS, PCS, PMA, and FEC as per mcdermott_3cc_01a_0516.

Moved by: Tom McDermott

Second by: Peter Jones

Technical: (>=75%)
 Vote: Y: 15 N: 0 A: 0
 Result: Passes

Motion #5: (11:42)

Description: Move to adopt the baseline for 10km & 40km objectives in tamura_3cc_01d_0516.
 Moved by: Kohichi Tamura
 Second by: Tom McDermott
 Technical: (>=75%)
 Vote: Y: 15 N: 0 A: 0
 Result: Passes

Motion #6: (11:47)

Description: Authorize Task Force Chair to attempt to recruit editor with the goal of having the first draft in July incorporating the adopted baselines.
 Moved by: Peter Jones
 Second by: Mark Kimber
 Technical: (>=75%)
 Vote: Y: 15 N: 0 A: 0
 Result: Passes

Motion to adjourn was made.

Meeting ended at 11:50.

List of attendees: (18 total)

Name	Employer	Affiliation (if different from employer)
(Unreadable)	Huawei	
Amrik Bains	Cisco	
C. Tien	AOI	
Dale Murray	Light Counting	
David Chen	AOI	
David Law	Hewlett Packard Enterprise	
David Lewis	Lumentum	
David Malicoat	Hewlett Packard Enterprise	
David Piehler	Dell	
Ed Ulrichs	Source Photonics	
Ken Jackson	Sumitomo	
Kohichi Tamura	Oclaro	
Mark Kimber	Semtech	
Peter Jones	Cisco	
Salvatore Rotolo	STMicro	
Steven Carlson	HSP Design	
Theo Brillhart	Fluke	
Tom McDermott	Fujitsu	